



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

SCIENCE

EDITORIAL COMMITTEE: S. NEWCOMB, Mathematics; R. S. WOODWARD, Mechanics; E. C. PICKERING, Astronomy; T. C. MENDENHALL, Physics; R. H. THURSTON, Engineering; IRA REMSEN, Chemistry; J. LE CONTE, Geology; W. M. DAVIS, Physiography; O. C. MARSH, Paleontology; W. K. BROOKS, C. HART MERRIAM, Zoology; S. H. SCUDDER, Entomology; C. E. BESSEY, N. L. BRITTON, Botany; HENRY F. OSBORN, General Biology; C. S. MINOT, Embryology, Histology; H. P. BOWDITCH, Physiology; J. S. BILLINGS, Hygiene; J. MCKEEN CATTELL, Psychology; DANIEL G. BRINTON, J. W. POWELL, Anthropology.

FRIDAY, DECEMBER 23, 1898.

CONTENTS:

<i>Zoology and the Philosophy of Evolution</i> : PROFESSOR W. K. BROOKS.....	881
<i>Fermentation without Living Cells and Synthetic Protein</i> : DR. H. W. WILEY.....	893
<i>The 'Feeling of Being Stared At.'</i> PROFESSOR E. B. TITCHENER.....	895
<i>What is Sciurus variegatus Erleben?</i> E. W. NELSON.....	897
<i>Notes on Physics</i> :—	
<i>Transformer Design; Underground Electric Currents in New York City; High-Voltage Power Transmission</i> : W. S. F.....	898
<i>Notes on Inorganic Chemistry</i> : J. L. H.....	899
<i>Current Notes on Anthropology</i> :—	
<i>Russian Ethnography; Argentine Ethnography; The Ethnological Survey of Canada</i> : PROFESSOR D. G. BRINTON.....	901
<i>Scientific Notes and News</i>	902
<i>University and Educational News</i>	905
<i>Discussion and Correspondence</i> :—	
<i>Anlage or Proton?</i> : PROFESSOR CHARLES SEDGWICK MINOT. <i>Is the Beach Pea Food or Poison?</i> : JOHN MURDOCH.....	906
<i>Scientific Literature</i> :—	
<i>Encyklopaedie der Mathematischen Wissenschaften</i> : PROFESSOR GEORGE BRUCE HALSTED. <i>Darwin on The Tides</i> : R. S. W. GAGE's <i>Elements of Physics</i> : W. LE CONTE STEVENS. <i>Van't Hoff's Leçons de chimie physique</i> : PROFESSOR HARRY C. JONES. <i>Moore's Laboratory Directions for Beginners in Bacteriology</i> : DR. WM. H. PARK. <i>General</i>	907
<i>Scientific Journals</i>	916
<i>Societies and Academies</i> :—	
<i>Entomological Society of Washington</i> : DR. L. O. HOWARD. <i>Biological Society of Washington</i> : F. A. LUCAS. <i>The New York Section of the American Chemical Society</i> : DR. DURAND WOODMAN. <i>Section of Psychology and Anthropology of the New York Academy of Sciences</i> : C. B. BLISS. <i>Students' Club and Geological Conference of Harvard University</i> : J. M. BOUTWELL. <i>The Academy of Science of St. Louis</i> : PROFESSOR WILLIAM TRELEASE.....	917
<i>New Books</i>	920

ZOOLOGY AND THE PHILOSOPHY OF EVOLUTION.*

"I have nothing to say to any Philosophy of Evolution. * * * Attempts to construct such a philosophy may be useful, but in my judgment they are premature."—HUXLEY: 'Collected Essays,' V.

THE facts given in the last two lectures seem to show that we cannot expect much from the 'Lamarckian factors,' even if they should prove to be factors; and while this impression may be wrong, it seems to be the rational frame of mind until it has proved wrong.

He who follows the current literature of zoology finds that many writers assure him, in effect, that the years which Darwin and Wallace gave to hard labor on the problem of species were thrown away, since all they tried to find out by hard work might have been deduced from the Philosophy of Evolution.

We were warned, long ago, that "whoever, unable to doubt and eager to affirm, shall establish principles, and, according to the unmoved truth of these, shall reject or receive others, * * * he shall exchange things for words, reason for insanity, the world for a fable, and shall be incapable of interpreting."

In 'philosophy' current history is sometimes ancient history, and the ardent dis-

* One of a course of lectures on the Foundations of Zoology as delivered in Columbia University, December, 1898.